

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>281-2.B.WO</b>	<b>FOR FURTHER ACTION</b>		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/IB2005/050264</b>	International filing date (day/month/year) <b>24/01/2005</b>	(Earliest) Priority Date (day/month/year) <b>06/02/2004</b>	
Applicant  <b>KARMIC, Sàrl</b>			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

PCT/IB2005/050264

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The invention concerns a method for the replication by hot-embossing, hot-stamping or plastic injection moulding of an optically variable transitory image relief pattern characterized by the use of a Silicon origination shim (1) fabricated through a micromachining process. The invention also comprises objects and structures obtained according to said method.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2005/050264

A. CLASSIFICATION OF SUBJECT MATTER  
INV. B81C1/00 B42D15/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
B81C B42D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 375 833 A (LANDIS & GYR BETRIEBS AG) 4 July 1990 (1990-07-04) see abstract column 1, line 1 - column 9, line 14; figures 1,2	1-20
Y	US 2002/074795 A1 (YING-TSUNG LU ET AL.) 20 June 2002 (2002-06-20) see abstract paragraph [0022] - paragraph [0033]; figures 1-6	1-20
Y	WO 91/14281 A (WESTON-BRIDGE INTERNATIONAL LIMITED) 19 September 1991 (1991-09-19) cited in the application the whole document	2-5
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

10 July 2006

Date of mailing of the international search report

17/07/2006

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## INTERNATIONAL SEARCH REPORT

10/588291

International Application No

PCT/IB2005/050264

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

IAP11 Rec'd PCT/PTO 04 AUG 2006

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 2 126 949 A (RCA CORPORATION) 4 April 1984 (1984-04-04) see abstract page 2, line 11 - page 4, line 74; figures 1-4b -----	6
A	WO 95/22448 A (IMPERIAL CHEMICAL INDUSTRIES PLC) 24 August 1995 (1995-08-24) cited in the application the whole document -----	1-20
A	US 6 296 281 B1 (DAVID ALLEN STONE) 2 October 2001 (2001-10-02) cited in the application the whole document -----	1-20
A	US 4 033 059 A (ROBERT GORDON HUTTON ET AL.) 5 July 1977 (1977-07-05) cited in the application the whole document -----	1-20
A	US 5 447 335 A (JOHN M. HASLOP) 5 September 1995 (1995-09-05) the whole document -----	1-20

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050264

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0375833	A	04-07-1990	AU 635255 B2	18-03-1993
			AU 5372990 A	24-10-1991
			HK 24395 A	03-03-1995
			JP 2165987 A	26-06-1990
			JP 2795698 B2	10-09-1998
			US 5032003 A	16-07-1991
US 2002074795	A1	20-06-2002	NONE	
WO 9114281	A	19-09-1991	AT 130703 T	15-12-1995
			AU 7475491 A	10-10-1991
			CA 2053859 A1	17-09-1991
			CH 682528 A5	30-09-1993
			DE 69114786 D1	04-01-1996
			DE 69114786 T2	23-05-1996
			EP 0472702 A1	04-03-1992
			ES 2080304 T3	01-02-1996
			JP 4506727 T	19-11-1992
			US 5316618 A	31-05-1994
GB 2126949	A	04-04-1984	NONE	
WO 9522448	A	24-08-1995	AU 1669795 A	04-09-1995
US 6296281	B1	02-10-2001	AT 230353 T	15-01-2003
			AU 729168 B2	25-01-2001
			AU 2948999 A	18-10-1999
			CA 2305266 A1	30-09-1999
			DE 69904724 D1	06-02-2003
			DE 69904724 T2	09-10-2003
			EP 1093414 A1	25-04-2001
			WO 9948697 A1	30-09-1999
			HK 1033819 A1	25-04-2003
US 4033059	A	05-07-1977	NONE	
US 5447335	A	05-09-1995	AT 144205 T	15-11-1996
			AU 650304 B2	16-06-1994
			AU 8938391 A	25-06-1992
			CA 2096655 A1	23-05-1992
			DE 69122767 D1	21-11-1996
			DE 69122767 T2	20-02-1997
			DK 558574 T3	24-03-1997
			EP 0558574 A1	08-09-1993
			ES 2095333 T3	16-02-1997
			FI 932335 A	21-05-1993
			WO 9209444 A1	11-06-1992
			GB 2265334 A	29-09-1993
			GR 3021926 T3	31-03-1997
			HK 105794 A	14-10-1994
			RU 2060167 C1	20-05-1996